

Sheet Metal Worker

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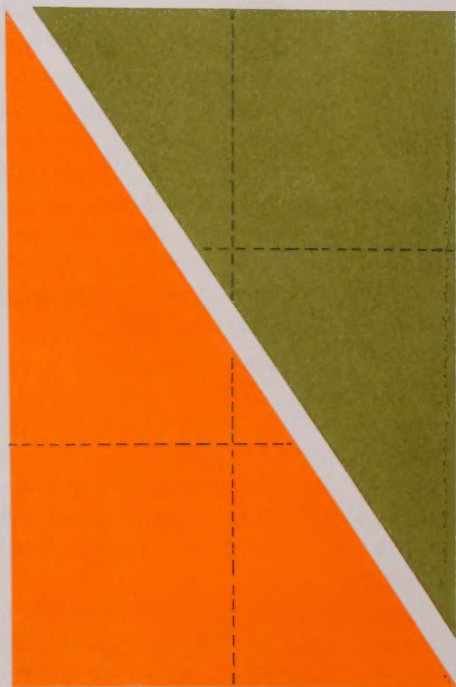
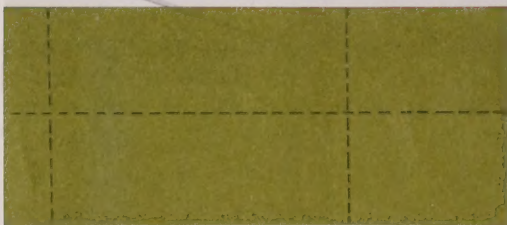
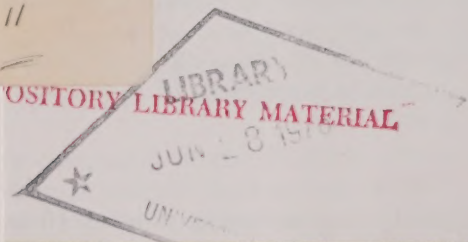
Government
Publications

Ministry of Colleges & Universities
Apprenticeship Training

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As far back as biblical times, artisans who worked with metal were known to be skilled workers.

With the advances in machines and equipment and with sheet metal in all shapes and forms becoming more and more an important material in modern construction methods, the industry is creating interesting and challenging job opportunities for trained and capable people.

Apprenticeship training in this highly technical trade is available under the modernized manpower training program sponsored by the Ministry of Colleges and Universities.

During the life of the contract the apprentice works under the supervision of skilled and experienced journeymen.

Qualifications

Applicants for apprenticeship must be 16 years or over and have a minimum of Grade 10 standing in an Ontario secondary school or an equivalent level of education. There are no maximum age limits for apprentices but they should have an interest in mathematics, geometrics design, industrial chemistry, drafting and blueprint reading.

Duties

The experienced sheet metal worker in Ontario is expected to perform a wide range of duties including: prefabrication and installation of ducting and associated components used in ventilating, heating and air-conditioning systems; installing metal roofing, wall sidings, eavestroughing, partitions and other metal framework required in residential, commercial and industrial establishments; using necessary hand tools, instruments and power-operated machinery to perform such operations as lay-out, welding, drilling, seaming, bending and rivetting.

Training

The apprenticeship training program for sheet metal tradesmen covers five periods of 1,800 hours each (equivalent to approximately 4½ years), consisting of practical on-the-job training coupled with related instruction at a College of Applied Arts and Technology.

The related courses of instruction at a college are compulsory and include an eight week basic course, an intermediate course of seven weeks and seven weeks of advanced instruction near the end of the apprenticeship contract.

Training Allowances

During in-school instruction, the apprentice's tuition fees, living allowance and travel expenses are provided by the Federal Department of Manpower and Immigration and the Ministry of Colleges and Universities, under a shared-cost agreement.

Earning While Learning

While training on the job, apprentices earn while they learn. Their wages are based on a percentage of those paid to journeymen in the same trade in the same shop. During the first period, they receive 40 per cent of the journeyman's rate, which increases to 50, 60, 70 and 80 per cent in each of four subsequent periods.

At the conclusion of each 1,800-hour period, apprentices must receive the recommendation of their employer before proceeding to the next period of the contract.

Certificates

On completion of the five periods, apprentices must write a final examination. A mark of 60 per cent will entitle them to a Certificate of Apprenticeship.

Apprentices obtaining a mark of 70 per cent or more will receive an inter-provincial Seal permitting them to practice their trade in all of Canada's provinces.

A Certificate of Qualification issued by the Ministry of Colleges and Universities is necessary for workers in this trade. It is issued on payment of \$10 fee and must be renewed every second year on the birth date of the holder.

Employment Prospects

The employment outlook for the sheet metal worker is excellent and once the status of journeyman is obtained, individual abilities are usually the controlling factor in advancement to administrative positions or ownership of a business.

Employment opportunities will occur in the areas of residential construction, roofing fabrication and erection, manufacturing, kitchen equipment and transportation.

Enquiries

All enquiries concerning apprenticeship should be addressed to the Director of Manpower Training or to the district offices across the province, listed on the back of this leaflet.

ONTARIO MANPOWER TRAINING

**District Offices
Manpower Training Branch**

Barrie 728-1951	Ottawa 731-7100
Belleville 968-8671	Owen Sound 376-5790
Brantford 756-5197	Pembroke 732-9994
Brockville 345-0660	Peterborough 743-4172
Callander 752-1231	St. Catharines 682-4313
Chatham 352-2800	Sarnia 337-2165
Cornwall 933-4260	Sault Ste. Marie 949-3331
Guelph 821-3770	Stratford 273-1520
Hamilton 527-9105	Sudbury 566-3071
Kenora 468-3128	Thunder Bay 345-2101
Kingston 544-5400	Timmins 267-2420
Kitchener 744-5211	Toronto 965-4211
London 438-2911	Windsor 256-8278
North Bay 474-5509	



Ontario

Ministry of Colleges & Universities
Manpower Training Branch
W. F. Davy, Director
Toronto

Jack McNie, Minister
J. Gordon Parr, Deputy Minister